

By geographical districts the precipitation was normal in the middle and south Pacific districts; above normal in the Middle and South Atlantic States, Florida Peninsula, west Gulf States, Lake region, North Dakota, Missouri Valley, and slope regions, and below normal in New England, east Gulf States, Ohio Valley and Tennessee, upper Mississippi Valley, Plateau regions, and north Pacific district.

In Canada.—Professor Stupart says:

The precipitation was much in excess of the average amount in nearly all parts of Ontario, except along the shores of Lake Erie. It was also well above the average in eastern Manitoba, and also in a portion of southwestern Quebec; elsewhere over the large remaining area in the Dominion, the average rainfall was not maintained, if we except a few isolated localities, noticeably Swift Current, with a positive departure of 1.4 inches, and Edmonton and Qu'Appelle, with three-tenths and two-tenths, respectively.

CLEAR SKY AND CLOUDINESS.

The mean monthly cloudiness was normal in North Dakota; below normal in the Gulf States, southern slope region, northern and southern Plateau regions, and northern and middle Pacific coasts; and above normal in New England, Middle and South Atlantic States, Florida Peninsula, Ohio Valley and Tennessee, Lake region, upper Mississippi Valley, Missouri Valley, northern and middle slope, middle Plateau region, and south Pacific coast.

The averages for the various districts, with departures from the normal, are shown in the following table:

Average cloudiness and departures from the normal.

Districts.	Average.	Departure from the normal.	Districts.	Average.	Departure from the normal.
New England	5.3	+ 0.4	Missouri Valley	5.0	+ 0.6
Middle Atlantic	5.7	+ 0.9	Northern Slope	3.9	+ 0.1
South Atlantic	5.4	+ 0.4	Middle Slope	4.9	+ 0.9
Florida Peninsula.....	5.5	+ 0.5	Southern Slope	3.7	- 0.1
East Gulf	4.9	- 0.1	Southern Plateau	2.3	- 1.0
West Gulf	4.0	- 0.2	Middle Plateau	2.5	+ 0.5
Ohio Valley and Tennessee	5.1	+ 0.5	Northern Plateau	2.3	- 0.8
Lower Lake	5.6	+ 1.1	North Pacific	4.3	- 0.1
Upper Lake	5.6	+ 0.9	Middle Pacific	2.5	- 0.4
North Dakota	4.3	0.0	South Pacific	2.9	+ 0.2
Upper Mississippi Valley	5.2	+ 0.9			

The distribution of clear sky is graphically shown on Chart IV, and the numerical values of average daylight cloudiness,

both for individual stations and by geographic districts, appear in Table I.

HUMIDITY.

The mean monthly relative humidity was normal in the following geographic districts: South Atlantic States, southern Plateau region, and north Pacific coast; below normal in New England, Florida Peninsula, northern Plateau region, and middle Pacific coast; and above normal in the Middle Atlantic and Gulf States, Ohio Valley and Tennessee, Lake region, North Dakota, upper Mississippi Valley, Missouri Valley, slope regions, middle Plateau, and south Pacific coast.

The averages by districts appear in the following table:

Average relative humidity and departures from the normal.

Districts.	Average.	Departure from the normal.	Districts.	Average.	Departure from the normal.
New England	79	- 1	Missouri Valley	72	+ 6
Middle Atlantic	73	+ 4	Northern Slope	62	+ 10
South Atlantic	80	0	Middle Slope	66	+ 6
Florida Peninsula	73	- 2	Southern Slope	64	+ 5
East Gulf	80	+ 2	Southern Plateau	38	0
West Gulf	79	+ 5	Middle Plateau	36	+ 4
Ohio Valley and Tennessee	74	+ 5	Northern Plateau	39	- 2
Lower Lake	75	+ 6	North Pacific	75	0
Upper Lake	77	+ 5	Middle Pacific	61	- 2
North Dakota	74	+ 8	South Pacific	67	+ 3
Upper Mississippi Valley	76	+ 8			

WIND.

The maximum wind velocity at each Weather Bureau station for a period of five minutes is given in Table I, which also gives the altitude of Weather Bureau anemometers above ground.

Following are the velocities of 50 miles and over per hour registered during the month:

Maximum wind velocities.

Stations.	Date.	Velocity.	Direction.	Stations.	Date.	Velocity.	Direction.
Abilene, Tex.	7	58	e.	Mount Tamalpais, Cal.	9	50	nw.
Bismarck, N. Dak.	16	52	w.	Do.	12	54	nw.
Hatteras, N. C.	20	58	nw.	Omaha, Nebr.	13	64	ne.
Mount Tamalpais, Cal.	8	58	nw.				

DESCRIPTION OF TABLES AND CHARTS.

By Mr. Wm. B. STOCKMAN, Chief, Division of Meteorological Records.

For description of tables and charts see page 20 of Review for January, 1905.

Honolulu, T. H., latitude, $21^{\circ} 19'$ north, longitude $157^{\circ} 52'$ west; barometer above sea, 38 feet; gravity correction, —.057 applied. July, 1905.

Day.	Pressure.*		Air temperature.				Moisture.			Wind.			Precipitation.		Clouds.							
	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Maximum.	Minimum.	Wet.	Relative humidity.	8 a. m.	8 p. m.	Velocity.	Direction.	8 a. m.	8 p. m.	Amount.	Kind.	8 a. m.	8 p. m.				
			8 a. m.	8 p. m.	Wet.	Relative humidity.	8 a. m.	8 p. m.	Velocity.	Direction.	8 a. m.	8 p. m.	Amount.	Kind.	8 a. m.	8 p. m.	Amount.	Kind.				
1	30.04	30.00	77.4	75.6	80	73	67.9	61	67.1	64	e.	6	T.	T.	6	Cu.	ne.	7	S.-cu.	ne.		
2	30.04	30.01	75.4	74.5	80	71	68.2	69	67.0	68	se.	3	ne.	T.	T.	2	S.-cu.	se.	4	S.-cu.	e.	
3	30.02	30.03	74.4	70.3	80	69	68.1	72	66.3	81	e.	8	ne.	14	0.12	0.03	6	S.-cu.	e.	8	N.	?
4	30.03	29.99	75.4	74.5	80	69	65.7	69	65.0	64	ue.	12	ne.	16	0.12	0.00	4	S.-cu.	e.	2	S.-cu.	e.
5	30.00	29.97	77.2	74.4	81	71	66.7	57	66.8	67	ne.	8	ne.	5	0.00	0.00	1	Ci.-s.	w.	6	S.-cu.	ne.
6	29.98	29.94	74.0	72.4	77	70	68.4	76	65.5	69	ne.	8	ne.	20	0.01	0.03	2	Cu.	e.	4	A.-s.	se.
7	29.95	29.94	76.3	73.5	81	71	66.3	59	66.0	67	ne.	9	ne.	13	0.00	0.00	6	N.	e.	1	Cu.	e.
8	30.00	30.01	76.5	76.0	80	69	69.3	70	68.0	66	se.	4	e.	2	0.00	0.22	10	S.-cu.	se.	10	S.-cu.	s.
9	30.06	30.06	78.0	75.3	84	73	70.7	70	68.4	70	e.	6	ne.	3	0.00	0.00	9	S.-cu.	e.	1	Cu.	e.
10	30.08	30.03	78.3	75.2	82	72	67.4	57	68.5	71	ne.	11	e.	8	0.00	T.	2	Cu.	e.	1	Cu.	e.
11	30.02	29.98	78.0	76.2	82	73	69.6	65	69.0	69	e.	11	e.	4	T.	T.	5	Cu.	e.	4	Cu.	e.
12	29.97	29.94	77.7	75.7	82	73	69.4	66	68.2	68	ne.	14	e.	8	0.00	0.00	1	Cu.	e.	2	Cu.	ne.
13	29.96	29.88	77.1	74.5	80	73	67.5	61	71.0	84	ne.	15	ne.	11	0.00	0.05	1	S.-cu.	0	10	N.	e.
14	29.81	29.89	76.5	76.4	80	70	71.2	77	72.8	84	w.	6	s.	12	0.17	T.	7	S.-cu.	s.	9	S.-cu.	s.
15	30.02	30.03	79.4	75.2	84	72	72.8	73	71.2	82	e.	9	e.	11	0.04	T.	3	Cu.	s.	5	N.	e.
16	30.04	30.04	79.1	76.0	81	74	70.6	66	69.0	70	ne.	7	ne.	6	T.	T.	2	Ci.-s.	w.	3	S.-cu.	ne.
17	30.04	29.99	76.8	75.0	82	71	68.7	68	67.1	66	ne.	6	ne.	10	T.	0.00	3	Cu.	e.	6	S.-cu.	e.
18	30.01	30.00	76.5	74.2	81	72	68.5	66	68.0	73	ne.	8	ne.	15	0.00	T.	2	Cu.	e.	3	S.-cu.	e.
19	30.02	29.99	76.0	75.0	81	71	69.4	72	68.4	72	e.	8	e.	3	0.01	T.	1	Ci.-s.	0	1	S.-cu.	e.
20	30.03	29.98	76.8	75.4	83	73	70.8	74	70.3	78	ne.	10	e.	8	0.00	T.	2	Cu.	e.	1	Ci.-s.	w.
21	29.97	29.95	78.3	76.9	83	73	69.9	66	71.4	77	ne.	18	ne.	13	0.00	0.00	1	Cu.	e.	1	Ci.-cu.	sw.
22	29.96	29.99	79.0	76.1	81	72	73.3	76	73.0	86	e.	2	nw.	2	0.02	T.	4	Ci.-cu.	sw.	8	A.-s.	w.
23	30.02	30.02	76.7	76.5	80	73	72.1	80	71.2	77	w.	4	n.	3	T.	0.05	5	S.-cu.	s.	2	S.-cu.	e.
24	30.03	30.01	79.2	76.3	83	73	70.0	63	67.5	65	ne.	5	ne.	12	0.00	0.00	1	Cu.	e.	1	Cu.	e.
25	30.02	29.99	75.2	76.0	81	72	69.6	76	68.0	66	ne.	6	ne.	9	T.	T.	9	N.	ne.	8	S.-cu.	e.
26	30.02	29.95	75.3	75.3	80	69	65.8	60	67.3	66	ne.	11	ne.	5	0.04	0.01	4	Cu.	e.	3	Cu.	e.
27	29.95	29.95	76.5	76.0	82	71	68.7	67	69.5	72	ne.	7	e.	6	0.02	T.	1	S.-cu.	se.	1	Cu.	e.
28	29.98	30.01	79.3	76.2	84	74	70.4	64	69.0	69	ne.	11	ne.	9	0.00	0.00	1	Cu.	e.	2	Cu.	e.
29	30.02	30.01	78.5	75.0	82	72	69.0	62	69.0	74	ne.	6	ne.	12	0.00	0.00	1	Cu.	ne.	1	Cu.	e.
30	30.02	30.01	78.5	77.4	84	71	71.8	72	70.0	69	ne.	2	ne.	7	0.01	0.00	3	Cu.	ne.	3	S.-cu.	e.
31	30.03	30.06	78.2	76.8	82	74	71.0	70	70.1	72	ne.	6	ne.	14	0.01	0.02	4	Cu.	e.	5	S.-cu.	e.
Mean...	30.005	29.989	77.1	75.3	81.4	71.7	69.3	67.6	68.7	71.8	ne.	8.0	ne.	8.7	0.57	0.41	5.1	Cu.	e.	4.8	S.-cu.	e.

Observations are made at 8 a. m. and 8 p. m., local standard time, which is that of $157^{\circ} 30'$ west, and is 5^h and 30^m slower than 75th meridian time. *Pressure values are reduced to sea level and standard gravity.